Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED OMB No. 1004-0136

Expires November 30, 2000

6. If Indian, Allottee or Tribe Name

5. Lease Serial No. UTU-02278

Tymo of World VI DRILL	The pression of the pression o	7. If Unit or CA Agreement, N

a. Type of Work: X DRILL REENTER				7. If Unit or CA Agreement,	Name and No.
				UNIT #891008900A 8. Lease Name and Well No.	
b. Type of Well: Oil Well 🗶 Gas Well	Other	Single Zone	Multiple Zone	NBU 1021-23M	
2. Name of Operator KERR McGEE OIL & GAS ONSHORE L	.P			9. API Well No. 43-047-3	19574
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT	8/1078	3b. Phone No. (include area co. (435) 781-7024	de)	10. Field and Pool, or Explor	atory
4. Location of Well (Report location clearly and in acc At surface SW/SW 233'FSL, 552'FW	ordance with VL 6298	JU - 17	9 26 720 525 486	11. Sec., T., R., M., or Blk, a	nd Survey or Area
At proposed prod. Zone 14. Distance in miles and direction from nearest town of 19.8 +/- MILES SOUTH OF OURAY, UT.	•			SEC. 23, T10S, R21E 12. County or Parish UINTAH	13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 233'		16. No. of Acres in lease 1040.00	17. Spacing Unit de40.00	dicated to this well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	REFER TO TOPO C	19. Proposed Depth 9120'	20. BLM/BIA Bond BOND NO: WY		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5324'GL		22. Approximate date work wil	l start*	23. Estimated duration	
		24. Attachments			

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

23. Signatura	Name (Printed/Typed)	Date
25. Significant of the state of	SHEILA UPCHEGO	8/15/2007
Pitle		
SENIOR LAND ADMIN SPECIALIST		
Approved by (Signaphra)	Name (Printed/Typed)	Date
Tradition	BRADLEY G. HILL	108-79-07
Title	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

AUG 2 1 2007

Ling OF OIL OF THE MING

Kerr McGee Oil & Gas Onshore LP T10S, R21E, S.L.B.&M. 1977 Brass Cap Well location, NBU #1021-23M, located as shown Flush W/2.5' High Pile of Stones in the SW 1/4 SW 1/4 of Section 23, T10S, R21E, N89°52'46"E - 2672.69' (Meas.) N89°52'41"E - 2673.02' (Meas.) S.L.B.&M. Uintah County, Utah. 1977 Brass Cap 1977 Brass Cap 0.8' High Pile 1.5' High Pile BASIS OF ELEVATION of Stones of Stones 2679.54' (Meas. TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET. BASIS OF BEARINGS BASIS OF BEARINGS IS A G.P.S. OBSERVATION. 1977 Brass Cap 0.5' High Pile of Stones Brass Cap SCALE THIS IS TO CERTIFY THAT THE ABOVE S00.20,46"E FIELD NOTES OF ACTUAL SURVEYS MO SUPERVISION AND THAT THE SAME 233' NBU #1021-23M BEST OF MY KNOWLEDGE AND BEE Elev. Ungraded Ground = 5326' 552 AND SURVEYING N89'58'22"F 1977 Brass Cap N89°59'56"W - 2665.94' (Meas.) 1977 Brass Cap 2664.78' (Meas.) 0.2' High Pile 0.6' High Pile 1977 Brass Cap UINTAH ENGINEERING of Stones of Stones LAND 0.4' Above 2.0' & High Pile of 85 SOUTH 200 EAST VERNAL. UTAH 84078 Stones (NAD 83) (435) 789-1017 LATITUDE = $39^{\circ}55'36.19"$ (39.926719)LEGEND: SCALE DATE SURVEYED: DATE DRAWN: LONGITUDE = $109^{\circ}31'34.38''$ (109.526217) 1" = 1000'10-19-06 10-26-06 = 90° SYMBOL (NAD 27) PARTY REFERENCES LATITUDE = $39^{\circ}55'36.31"$ G.O. D.H. C.H. G.L.O. PLAT = PROPOSED WELL HEAD. (39.926753) WEATHER LONGITUDE = $109^{\circ}31'31.91''$ (109.525531) = SECTION CORNERS LOCATED. COOL Kerr McGee Oil & Gas Onshore LP

NBU #1021-23M SW/SW SEC 23, T10S, R21E UINTAH COUNTY, UTAH UTU-02278

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1072'
Top of Birds Nest Water	1335'
Mahogany	1924'
Wasatch	4267'
Mesaverde	6977'
MVU2	7945'
MVL1	8495'
TD	9120'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1072'
	Top of Birds Nest Water	1335'
	Mahogany	1924'
Gas	Wasatch	4267'
Gas	Mesaverde	6977'
Gas	MVU2	7945'
Gas	MVL1	8495
Water	N/A	
Other Minerals	N/A	

3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. <u>Drilling Fluids Program</u>:

Please see the Natural Buttes Unit SOP.

6. Evaluation Program:

Please see the Natural Buttes Unit SOP.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 9120' TD, approximately equals 5654 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3648 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please see Natural Buttes Unit SOP.

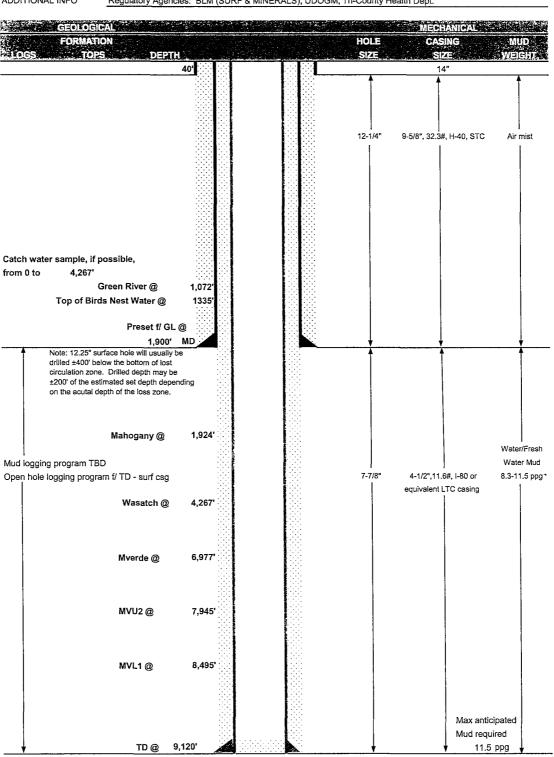
10. Other Information:

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP <u>DRILLING PROGRAM</u>

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	August 1	5, 2007		
WELL NAME	NBU 1021-23M	TD	9,120'	MD/TVD		
FIELD Natural But	es COUNTY Uintah STATE	Utah	ELEVATION	5,326' GL	K	3 5,341'
SURFACE LOCATION	SW/SW SEC. 23, T10S, R21E 233'FSL, 552'	'FWL			BHL	Straight Hole
	Latitude: 39.926719 Longitude: 109	.526217				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde					
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.					





KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

									ESIGN FACTO	DRS
	SIZE	IN'	TERV/	ſĽ.	WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	14"		0-40'				l I	2270	1370	254000
SURFACE	9-5/8"	0	to	1900	32.30	H-40	STC	0.66****** 7780	1.54 6350	4.73 201000
PRODUCTION	4-1/2"	0	to	9120	11.60	I-80	LTC	2.26	1.16	2.18

¹⁾ Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) ≈ Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD =

11.5 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3447 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

Ī	FT 0F F	DESCRIPTION	SACKS	EXCESS.	WEIGHT	WIE DO
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				:
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to s	urface, opt	tion 2 will b	e utilized	
Option 2	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
•		+.25 pps Flocele + 3% salt BWOC				
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.	Ì	15.60	1.18
				<u> </u>		
PRODUCTION LEAD	3,760'	Premium Lite II + 3% KCI + 0.25 pps	410	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel	l	l	Į	į į
		+ 0.5% extender		l		
TAIL	5,360'	50/50 Poz/G + 10% salt + 2% gel	1500	60%	14,30	1.31
		+.1% R-3	1			<u> </u>

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

st casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
PE: 11*5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &
r sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper
ower kelly valves.
op Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
st rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.
NGINEER: DATE:

DRII	LING	SUPERINTENDENT

DRILLING

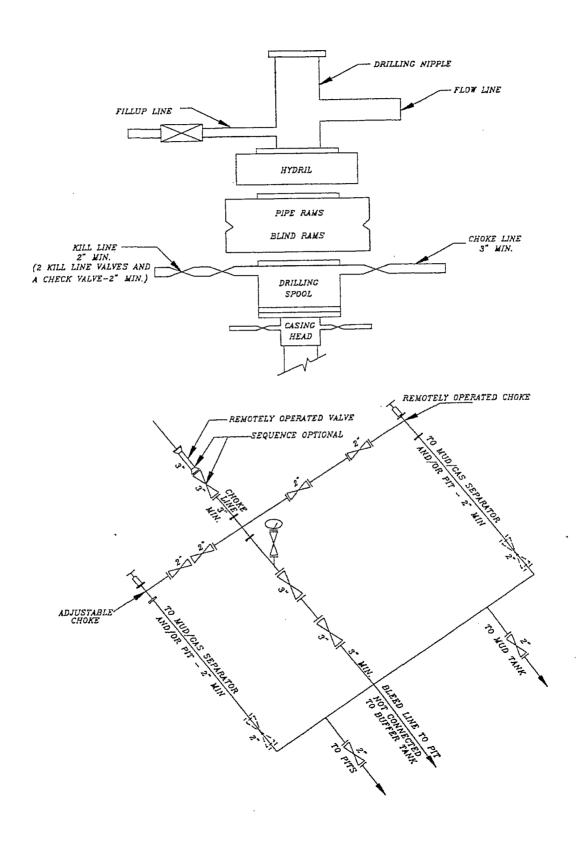
Randy Bayne

Brad Laney

DATE:

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU #1021-23M SW/SW SEC 23, T10S, R21E UINTAH COUNTY, UTAH UTU-02278

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

A rights-of-way will be required approximately 0.9 +/- miles of access road is proposed. from an existing access road in Sec. 26, T10S, R21E (Lease #UTU-0129384) to the proposed access road. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

A 30' rights-of-way will be required approximately 4582' +/- of 4" steel pipeline is from an existing pipeline in Sec. 26, T10S, R21E (Lease #UTU-0129384) to the proposed pipeline. Please refer to the attached Please refer to Topo Map D

Variances to Best Management Practices (BMPs) Requested:

The pipeline shall be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (Request is in lieu of filing Form 3160-5, after initial production).

8. Ancillary Facilities:

Please see the Natural Buttes SOP.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A 20 mil reserve pit liner with felt will be used. As discussed at the on-site inspection.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be resurveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for *drilled* seed are:

Gardnier Saltbrush	8 lbs.
Galleta Grass	4 lbs.
Shadscale	4 lbs

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface Ownership:

The well pad and access road are located on lands owned by:

United States of America Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435)781-4400

12. Other Information:

A Class III Archaeological Survey Report, has been performed and will be submitted when report becomes available.

The paleontological survey have been performed and will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying with the boundaries of the unit.

13. <u>Lessee's or Operator's Representative & Certification</u>:

Sheila Ucphego Senior Land Admin Specialist Kerr-McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078 (435) 781-7024 Randy Bayne Drilling Manager Kerr-McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078 (435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bold #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

8/15/2007

Date

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-23M SECTION 23, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #1021-23M LOCATED IN UINTAH COUNTY, UTAH SECTION 23, T10S, R21E, S.L.B.&M.

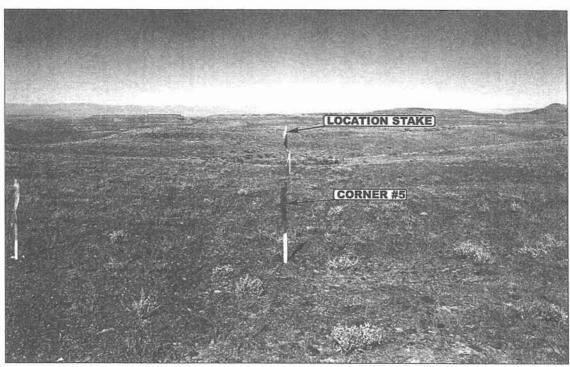


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

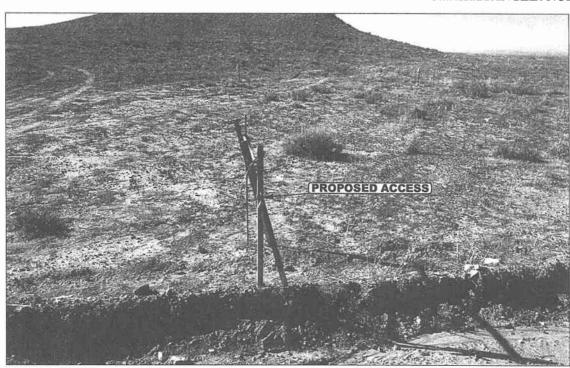


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



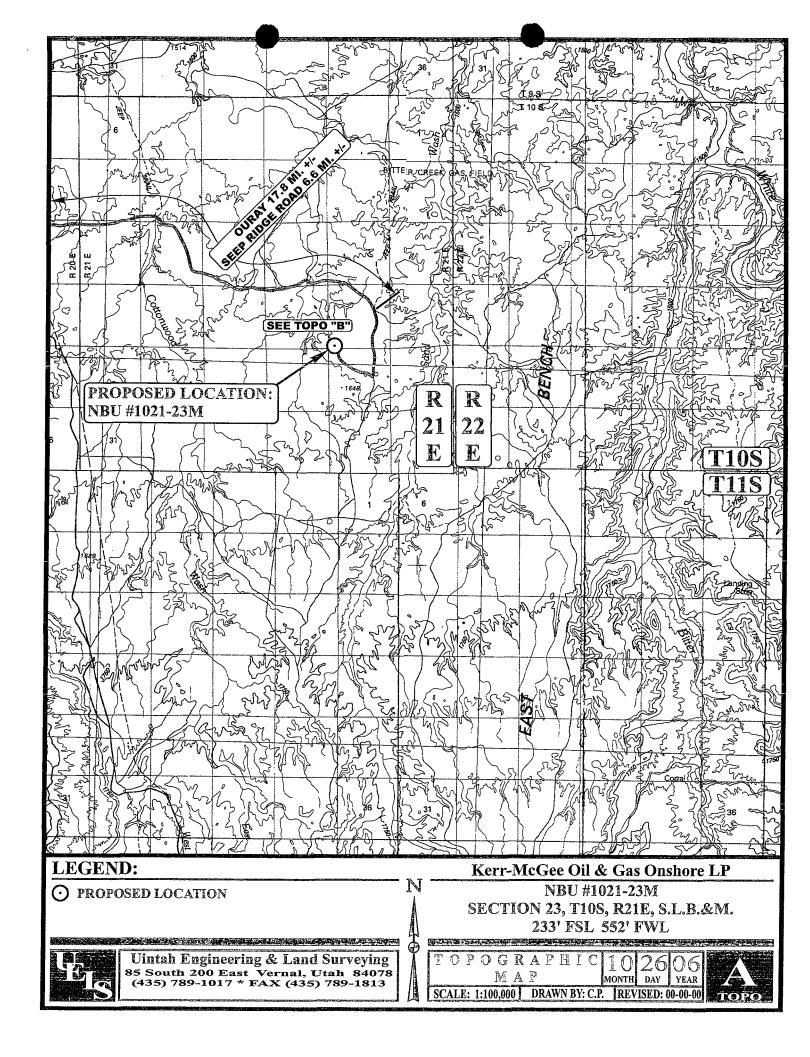
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

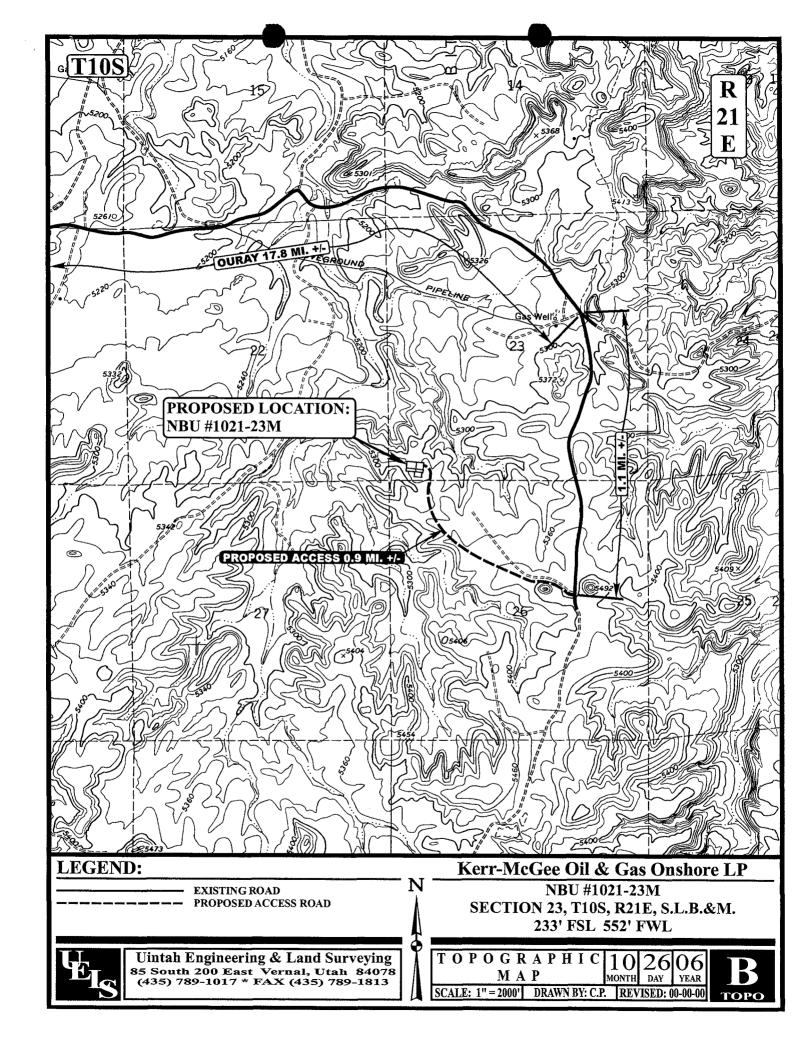
LOCATION PHOTOS

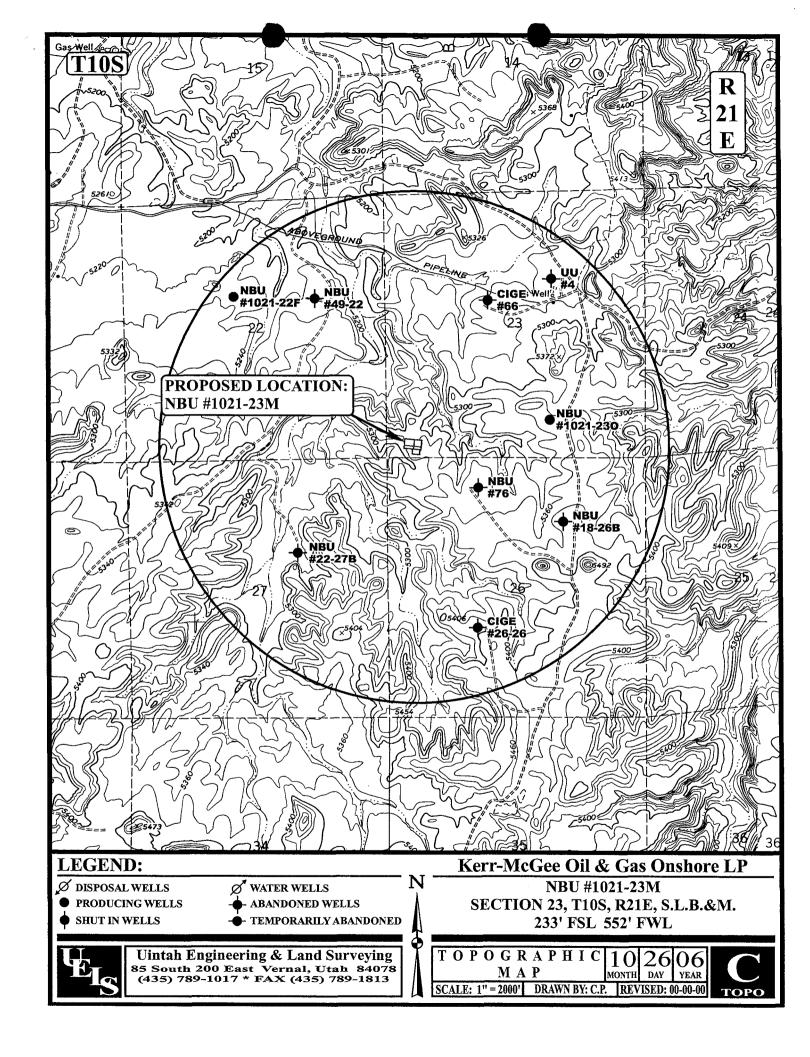
10 26 06 MONTH DAY YEAR

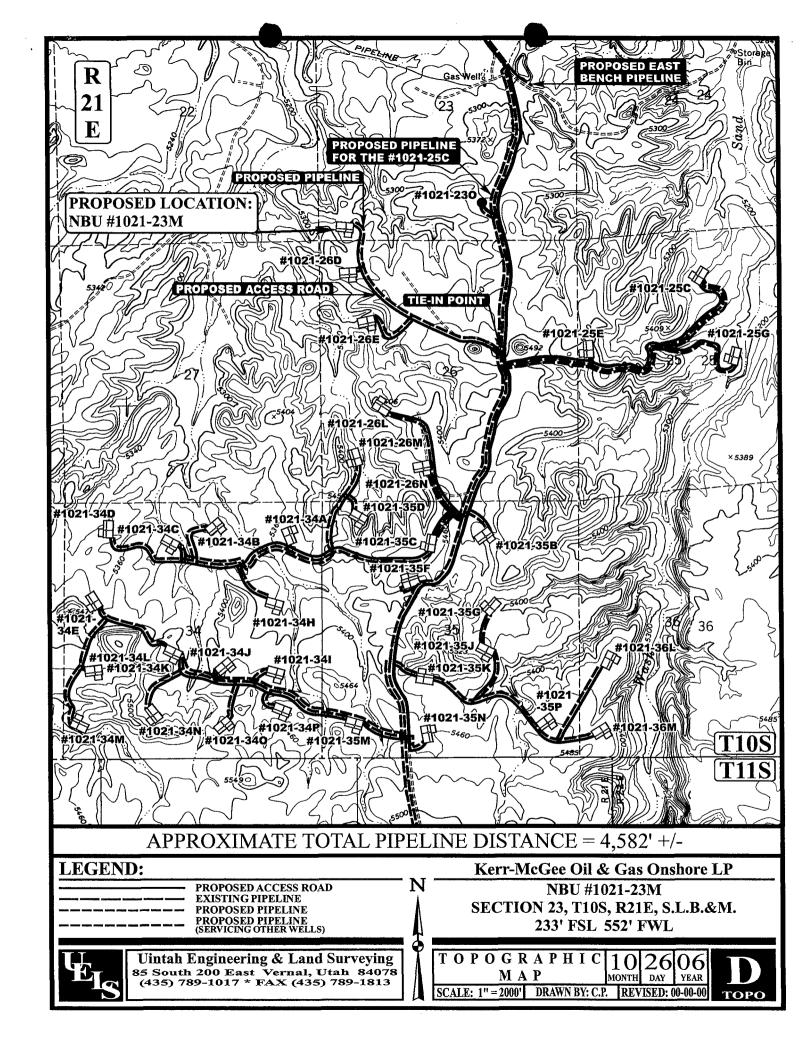
PHOTO

TAKEN BY: G.O. | DRAWN BY: C.P. | REVISED: 00-00-00









Kerr-McGee Oil & Gas Onshore LP

NBU #1021-23M
PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 23, T10S, R21E, S.L.B.&M.

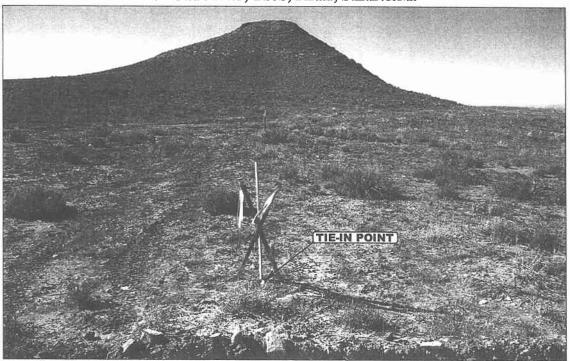


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHEASTERLY

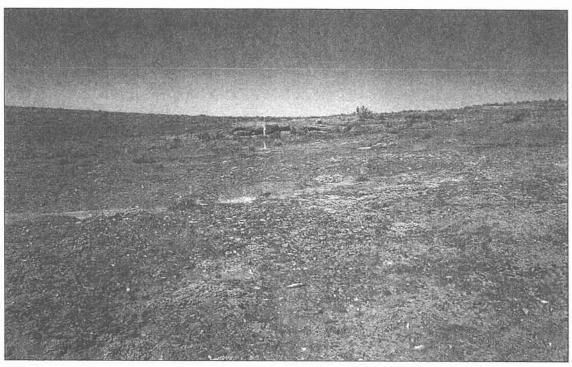


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHEASTERLY



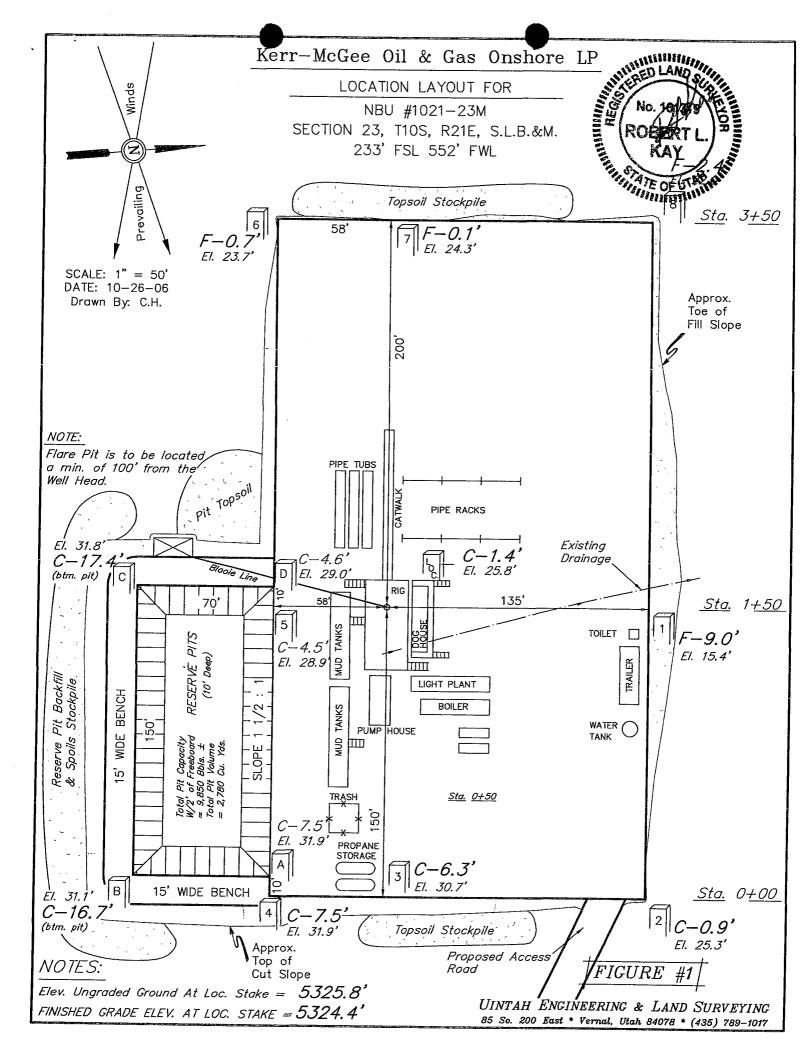
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

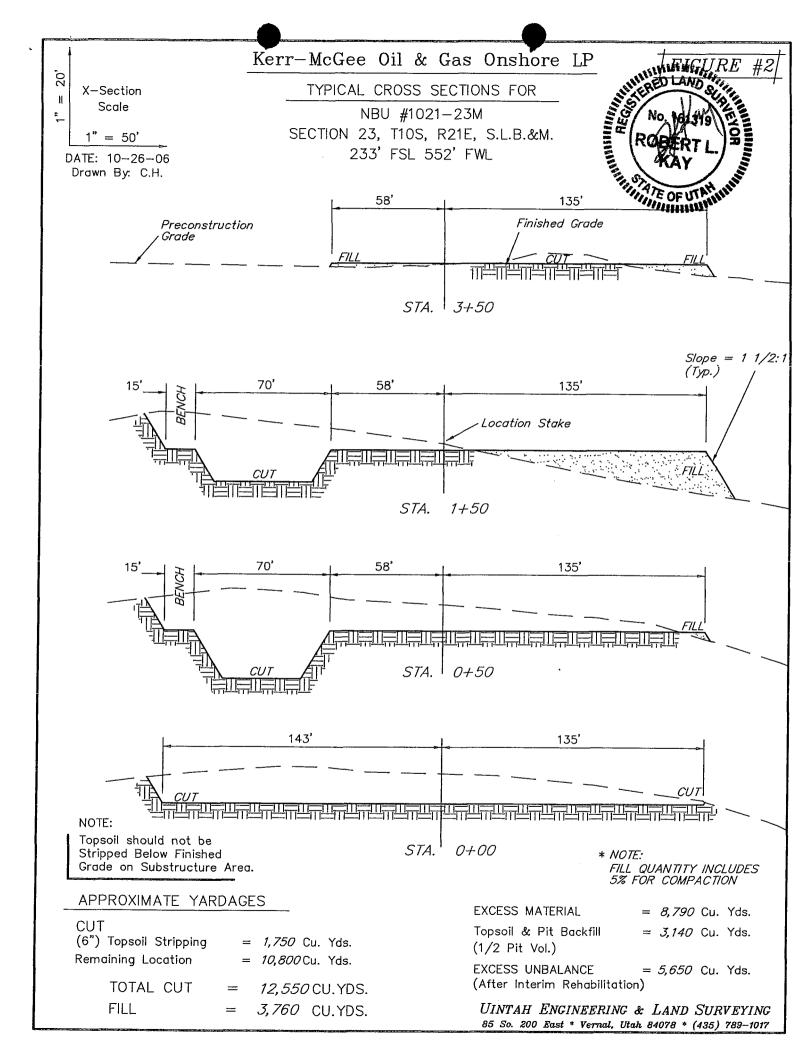
PIPELINE PHOTOS

10 26 06 MONTH DAY YEAR

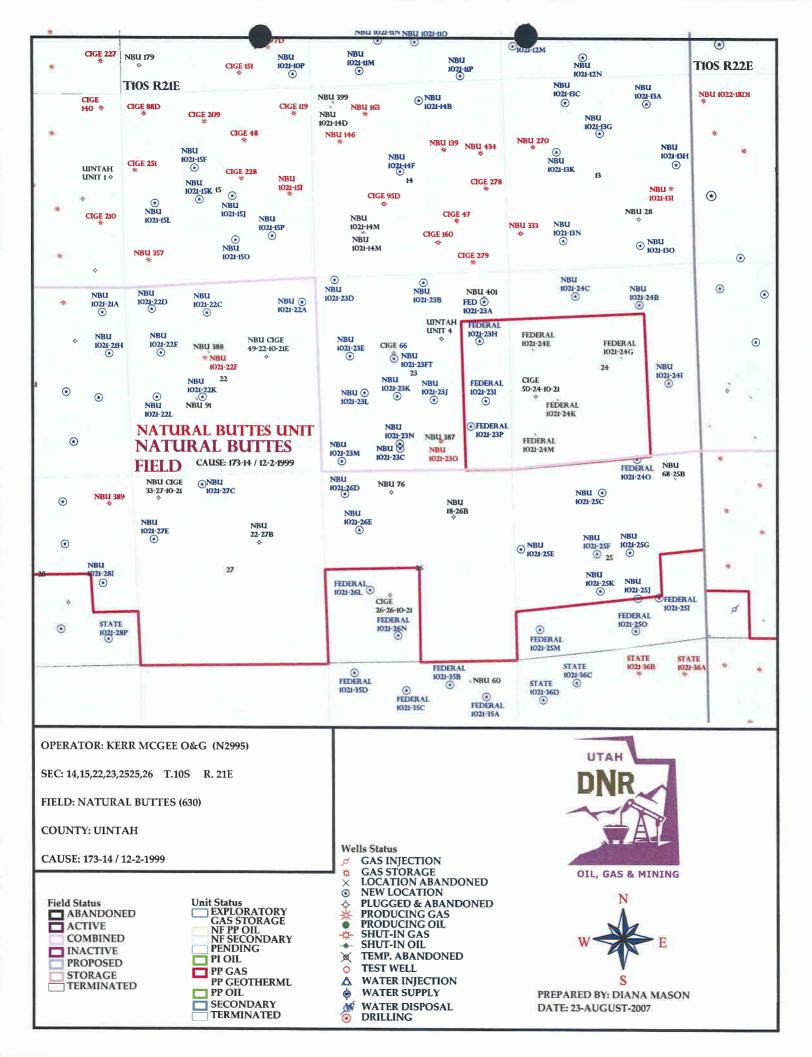
РНОТО

TAKEN BY: G.O. DRAWN BY: C.P. REVISED: 00-00-00





APD RECEIVED: 08/21/2007	API NO. ASSIGNED: 43-047-39574	
WELL NAME: NBU 1021-23M OPERATOR: KERR-MCGEE OIL & GAS (N2995) CONTACT: SHEILA UPCHEGO	PHONE NUMBER: 435-781-7024	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /	
SWSW 23 100S 210E SURFACE: 0233 FSL 0552 FWL	Tech Review Initials Date	
BOTTOM: 0233 FSL 0552 FWL	Engineering	
COUNTY: UINTAH LATITUDE: 39.92672 LONGITUDE: -109.5255	Geology	
UTM SURF EASTINGS: 626004 NORTHINGS: 44204	Surface	
FIELD NAME: NATURAL BUTTES (630 LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-02278 SURFACE OWNER: 1 - Federal	PROPOSED FORMATION: WSMVD COALBED METHANE WELL? NO	
Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. WYB000291) Potash (Y/N) Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. 43-8496) RDCC Review (Y/N) (Date:) Fee Surf Agreement (Y/N) Intent to Commingle (Y/N)	LOCATION AND SITING: R649-2-3. Unit: NATURAL BUTTES R649-3-2. General	
STIPULATIONS: Leder Opport 2-Ou 2	man E	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 29, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API# WELL NAME LOCATION

(Proposed PZ Wasatch/MesaVerde)

43-047-39540 NBU 922-30L-T Sec 30 T09S R22E 2106 FSL 0817 FWL 43-047-39542 NBU 1021-14B Sec 14 T10S R21E 0439 FNL 2355 FEL 43-047-39543 NBU 1021-14F Sec 14 T10S R21E 2404 FNL 2387 FWL 43-047-39544 NBU 1021-150 Sec 15 T10S R21E 1127 FSL 2304 FEL 43-047-39545 NBU 1021-15K Sec 15 T10S R21E 2277 FSL 2041 FWL 43-047-39546 NBU 1021-15L Sec 15 T10S R21E 2188 FSL 0783 FWL 43-047-39547 NBU 1021-15F Sec 15 T10S R21E 2164 FNL 1915 FWL 43-047-39548 NBU 1021-15J Sec 15 T10S R21E 2361 FSL 2372 FEL 43-047-39563 NBU 1021-15P Sec 15 T10S R21E 1214 FSL 1262 FEL 43-047-39564 NBU 1021-22C Sec 22 T10S R21E 0902 FNL 2194 FWL 43-047-39549 NBU 1021-22K Sec 22 T10S R21E 2088 FSL 2006 FWL 43-047-39550 NBU 1021-22A Sec 22 T10S R21E 0668 FNL 0469 FEL 43-047-39551 NBU 1021-22L Sec 22 T10S R21E 2114 FSL 0725 FWL 43-047-39565 NBU 1021-22D Sec 22 T10S R21E 0769 FNL 0641 FWL 43-047-39566 NBU 1021-22E Sec 22 T10S R21E 2000 FNL 0860 FWL 43-047-39567 NBU 1021-23E Sec 23 T10S R21E 2201 FNL 0846 FWL 43-047-39569 NBU 1021-23B Sec 23 T10S R21E 0175 FNL 2391 FEL 43-047-39557 NBU 1021-23K Sec 23 T10S R21E 2021 FSL 2152 FWL 43-047-39558 NBU 1021-23N Sec 23 T10S R21E 0699 FSL 2196 FWL 43-047-39559 NBU 1021-23D Sec 23 T10S R21E 0065 FNL 0460 FWL 43-047-39560 NBU 1021-23L Sec 23 T10S R21E 2126 FSL 1227 FWL

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43-047-39570 NBU 1021-23C Sec 23 T10S R21E 0567 FSL 2203 FWL 43-047-39572 NBU 1021-23J Sec 23 T10S R21E 1906 FSL 2167 FEL 43-047-39575 NBU 1021-23M Sec 23 T10S R21E 0233 FSL 0552 FWL 43-047-39575 NBU 1021-25J Sec 25 T10S R21E 1621 FSL 1890 FEL 43-047-39561 NBU 1021-25K Sec 25 T10S R21E 1848 FSL 2394 FWL 43-047-39579 NBU 1021-26E Sec 26 T10S R21E 1706 FNL 0992 FWL 43-047-39580 NBU 1021-26D Sec 26 T10S R21E 0695 FNL 0614 FWL 43-047-39578 NBU 1021-25F Sec 25 T10S R21E 2477 FNL 2323 FWL 43-047-39541 NBU 1021-31 Sec 03 T10S R21E 1371 FSL 1121 FEL
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This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:8-29-07



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

August 29, 2007

Kerr-McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, Ut 84078

Re:

NBU 1021-23M Well, 233' FSL, 552' FWL, SW SW, Sec. 23, T. 10 South, R. 21 East,

Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39574.

Sincerely.

Gil Hunt Associate Director

pab Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal Office



Operator:	Kerr-McGee Oil & Gas Onshore LP		
Well Name & Number	NBU 1021-23M		
API Number:	43-047-39574		
Lease:	UTU-02278		
Location: SW SW	Sec. 23 T. 10 South	R . 21 Fast	

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801)

(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office 170 South 500 East Vernal, UT 84078 (435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO: 3160 UT08300

February 25, 2008

43047,39574

Raleen White Kerr McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078

Re:

Well No. NBU 1021-23M SWSW, Sec. 23, T10S, R21E

Uintah County, Utah Lease No. UTU-02278-A Natural Buttes Unit

Dear Ms. White:

The Application for Permit to Drill (APD) the above referenced well submitted August 16, 2007, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist Verlyn Pindell on February 13, 2008. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

Cindy Severson

Cindy Severson Land Law Examiner

Enclosures

CC:

UDOGM - Diana Mason

RECEIVED MAR 1 0 2008

DIV. OF OIL, GAS & MINING



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

March 11, 2008

Raleen White Kerr McGee O&G Onshore LP 1368 South 1200 East Vernal UT 84078 NBU 1021-23M 43 047 39579 105 21E 23

Re: <u>APDs Rescinded at the request of Kerr-McGee O&G Onshore LP</u>

Dear Ms. White:

Enclosed find the list of APDs that you requested to be rescinded to Kerr-McGee O&G Onshore LP. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective March 10, 2008.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

piana Mason

Environmental Scientist

iarl Dason

cc: Well File

Bureau of Land Management, Vernal



Federal 920-35M

1

Federal 1021-34L

Federal 1021-340

Federal 1021-23I

Federal 1021-23H

NBU 1021-3I

NBU 1021-6E

NBU 1021-5MT

NBU 1021-12M

NBU 1021-12K

NBU 1021-11J

NBU 1021-11N

NBU 1021-110 NBU 1021-14B

NBU 1021-14F

NBU 1021-15J

NBU 1021-15K

NBU 1021-150

NBU 1021-23C

NBU 1021-23D

NBU 1021-23E

NBU 1021-23B

NBU 1021-23J

NBU 1021-23K

NBU 1021-23N

NBU 1021-23M

NBU 1021-22E

NBU 1021-22C

NBU 1021-22L

NBU 1021-22K

NBU 1021-22D

LOVE UNIT 1122-18F

LOVE UNIT 1122-180

LOVE UNIT 1122-18N

LOVE UNIT 1122-19F

LOVE UNIT 1122-15J

LOVE 1121-2B

LOVE 1121-7J

LOVE 1121-14J

LOVE 1121-14L

LOVE 1121-15J